

State of Louisiana
Department of Transportation and Development (DOTD)
Materials and Testing Section Qualification Procedure
for
Qualified Products List 44

MECHANICAL BUTT SPLICING DEVICES (REBAR)

MATERIAL SPECIFICATION REFERENCE:

DOTD Standard Specifications, Supplemental Specifications and Special Provisions, Subsection 806.07 (Copy attached).

PRELIMINARY REQUIREMENTS:

Qualified Product Evaluation Form

The manufacturer shall submit a standard "Qualified Product Evaluation Form" to the DOTD Materials and Testing Section Coordinator listed below, for each system to be evaluated along with a letter requesting evaluation for the Qualified Products List.

Product Data Sheets

Include product data sheets which provide all pertinent information relative to the splicing device to be evaluated; including, but not limited to, manufacturer's specifications, recommended application procedures, typical analysis of components and Materials Safety Data Sheet (MSDS).

Certification and/or Test Reports

The manufacturer shall provide a notarized certificate of analysis reporting actual test results of the material properties for each product submitted.

Samples (to be furnished at no cost to the Department)

The manufacturer shall provide a demonstration of the splicing system for the Materials Engineer Administrator or his representative. Three completed splices shall be submitted for each bar size for which qualification is sought. In addition, two of the devices with component parts shall be furnished unspliced.

TEST REQUIREMENTS:

Laboratory Testing

- a) Visual Inspection - Visual inspection shall consist of determining whether the manufacturer's procedure is followed and if so, that a satisfactory splice can be obtained.
- b) Physical Testing - The completed splice shall meet 125% of the specified minimum yield strength of the rebar in tension when tested in accordance with ASTM A 615.
- c) Chemical Analysis - The device shall be subjected to chemical analysis and must meet the grade of steel specified in the manufacturer's product literature.

Evaluation Time

Laboratory testing - 1 month

GENERAL:

Upon completion of the evaluation, the submitter will be notified in writing concerning the results of the evaluation and whether the product will or will not be added to the Qualified Products List.

PROJECT ACCEPTANCE REQUIREMENTS:

Qualification of a device is not blanket approval for its use. Acceptance sampling shall be done in accordance with DOTD S 501 with the frequency established in the DOTD Materials Sampling Manual.

DISQUALIFICATION:

Any device may be removed from the Qualified Products List should any problem develop with application or performance. The Department must be notified in writing of any change in product formulation or dimensions. Significant changes may require reevaluation of the product.

REQUALIFICATION:

A device which has been disqualified and removed from the Qualified Products List will be considered for reevaluation only after submission of a formal request along with acceptable evidence that the problem causing the disqualification has been resolved.

DOTD MATERIALS AND TESTING SECTION COORDINATOR

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Approved 03-03-2003

N. D. HOOD, P.E.
MATERIALS ENGINEER ADMINISTRATOR